



BTS Provides the Best tools for Protein Purification!

AFFINITY GST PURIFICATION

TECHNICAL SPECIFICATIONS GLUTATHIONE Agarose Cartridges

BEAD (Geometry, size)	Spherical, Standard: ~ 50-150 µm			
CROSS-LINKED	No ⁽¹⁾			
AGAROSE %	4% agarose			
LIGAND	Glutathione, linked via sulphur atom			
SPACER ARM	12 atoms			
BINDING CAPACITY	~10 mg recombinant GST / cartridge ⁽²⁾			
MATRIX	Stable in 0.1M acetate pH 4.0, 0.1 M NaOH, 70% ethanol or 6 M guanidine hydrochloride for 2 hours at room temperature.			
APPLICATION	Automated liquid chromatography (MPLC, FPLC™, ÄKTAdesign™) Peristaltic pump & syringe			
RECOMMENDED FLOW RATES	Sample loading ⁽³⁾ 0.2 – 1.0 ml/min	Washing/Elution 1.0 ml/min		
PRODUCT NAME	Glutathione Agarose Cartridge			
CAT. No.	4B-GLU-C1			
DESCRIPTION	5 cartridges 1ml resin each one			
CARTRIDGE INFORMATION	Bed volume 1 ml	Material Polypropylene	Inner Diameter 0.7 cm	Height 2.2 cm
CARTRIDGE PORTS	Inlet port 10-32 (1/16") female		Outlet port 10-32 (1/16") male	
ANTIMICROBIAL AGENT	20% Ethanol			
STORAGE TEMPERATURE	4 - 8°C			

*X: Product Quantity (10 or 100 ml)

⁽¹⁾ Do not autoclave the gel.

⁽²⁾ Orientative values for binding capacity. Binding capacity will vary for each GST-tagged protein.

⁽³⁾ Slow flow rates are recommended for the loading step to allow maximal binding of the GST-tagged protein.

For laboratory use only. Not for use in diagnostic or therapeutic procedures.